**Index of Claims** 

| Application/ | Control No. |
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Applicant(s)/Patent under Reexamination

10/708,924

Examiner

STEKETEE, THOMAS G.

Art Unit

Fred Prince

Date

1724

| <b>√</b> | Rejected |
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| 1        | Allowed  |

| 1 | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
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| _ | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla                   | aim   | Г  | Date         |  |              |                   |  |                    |                |          |  |
|-----------------------|---|--|--------------|--|--------------|-------------------|--|--------------------|----------------|----------|--|
|                       |   | t  | Г            | П  | П            | T                 | Ť  | П                  | Т              | П        |  |
| <del></del>           | Original  | 2/23/06  |              |  |              |                   |  |                    |                |          |  |
| Final                 | <u>:</u>  | 8  |              |  |              |                   | l  |                    | 1              |          |  |
| ш.                    | Ιō  | 8  |              |  |              |                   | 1  |                    |                | 1        |  |
|                       |   | <u> </u>   | <u> </u>     | ļ  | ╙            | ╙                 | <u> </u>   | <u> </u>           |                |          |  |
| <u></u>               | 1   | <u> </u>   | <u> </u>     | 1_   |              | L.                | 乚  | <u> </u>           | 1              | 1_       |  |
| 1                     | 2   | =  | <u> </u>     |  |              | L                 |  |                    | <u> </u>       | <u>L</u> |  |
| 2                     | 3   | =  | l .          |  |              | L                 |  |                    |                | i i      |  |
| 3                     | 4   | =  |              |  | Γ            | Π                 |  |                    |                | П        |  |
| 4                     | 5   | =  |              |  |              | Г                 | П  | П                  | T              | T        |  |
| 1<br>2<br>3<br>4<br>5 | 6   | =  |              |  |              | T                 | 1  | Т                  | T              | Т        |  |
|                       | 7   |  |              |  | T            | <b>†</b> "        | ┢  | T                  | T              |          |  |
| 6                     | 8   | =  | $\vdash$     | $\vdash$   |              |                   |  | T                  | 1              |          |  |
| <u>6</u>              | 9   | =  | $\vdash$     | $\vdash$   | T            | 1                 | <del>                                     </del> | $\vdash$           | T              | T        |  |
| 8                     | 10  | =  | 1            | $\vdash$   | ╁            | H                 | ╁  | $\vdash$           | ╁              | ╁╴       |  |
| <u> </u>              | 11  | <del>                                     </del> |              | ┢┈   | 1-           | $\vdash$          | ┢  | $\vdash$           | -              | $\vdash$ |  |
|                       | 12  | ┢  |              | <del>                                     </del>   | $\vdash$     | t                 | $\vdash$   | $\vdash$           | 1              | $\vdash$ |  |
|                       | 13  | $\vdash$   | $\vdash$     |  | ┢            | $\vdash$          | 1-   | +-                 | $\vdash$       | -        |  |
| <u> </u>              | 14  | <del>  -  </del>                                 | $\vdash$     | ╁  | -            | $\vdash$          | +  | +-                 | +              | ┢        |  |
|                       | 15  | $\vdash$   | $\vdash$     | +  | ╁            | +-                | +-   | ├                  | +-             | $\vdash$ |  |
| <u> </u>              | 16  | ├  | $\vdash$     | ⊢  | ├-           | $\vdash$          | +  | <del> </del> −     | $\vdash$       | $\vdash$ |  |
|                       | 17  | -  | $\vdash$     | $\vdash$   | $\vdash$     | -                 | +-   | ├-                 | <del> </del> — | ₩        |  |
|                       | 1/  | ├—   | <del> </del> | ₩  | ├-           | -                 | $\vdash$   |                    | ├              |          |  |
|                       | 18  | <del> </del>                                     | -            | ــــــ   |              | ـ                 | <u> </u>   | ₩                  | ـــ            | $\vdash$ |  |
|                       | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24 | _  | <u> </u>     | <del> </del>   | <b>⊢</b>     | ┞                 | <u> </u>   | <b> </b>           | ऻ_             | _        |  |
|                       | 20  | <u> </u>   | <u> </u>     | _  | _            | <u> </u>          | ┞-   | $\vdash$           | _              |          |  |
|                       | 21  | _  | L            | <b>!</b>   | <u> </u>     | <u> </u>          | ┞-   | ┞                  | _              | L        |  |
| <u> </u>              | 22  | _  | _            |  | ┡            | <u> </u>          | <u> </u>   | ļ                  | ╙              | Ш        |  |
|                       | 23  | <u> </u>   | <u> </u>     | ⊢  | _            | -                 | <u> </u>   | ļ                  | ₩              |          |  |
| ├                     | 24  | _  | _            | <u> </u>   | ļ            | _                 | <u> </u>   | <u> </u>           | <u> </u>       |          |  |
|                       | 25<br>26  | <u> </u>   | -            |  | <u> </u>     | _                 | <del> </del>                                     | _                  | ┢              | ⊢        |  |
| <u> </u>              | 27  | <u> </u>   | ┡            | ⊢  | _            | ┝                 | ├-   | ┝                  | $\vdash$       | ļ        |  |
| <u> </u>              | 27  | -  | -            | ⊢  | <del> </del> | ├—                | -  | <u> </u>           |                |          |  |
|                       | 28<br>29<br>30  | <u> </u>   | <u> </u>     | ├  | _            | -                 | <u> </u> _                                       | ⊢                  | <u> </u>       |          |  |
|                       | 29  | <u> </u>   | <u> </u>     | _  | _            |                   | <u> </u>   | <u> </u>           | _              | -        |  |
|                       | 30  | _  | <u> </u>     | <u> </u>   | <u> </u>     | _                 | <u> </u>   | ļ.,                | _              |          |  |
| <u> </u>              | 31<br>32  | <u> </u>   | _            | <u> </u>   | <u> </u>     | _                 | <b> </b>   | <u> </u>           | <u> </u>       | Ш        |  |
|                       | 32  |  | L_           | <u> </u>   |              | L_                | L_   | L.                 | _              | Ш        |  |
|                       | 33<br>34<br>35  | <u> </u>   | <u> </u>     |  | L_           | $ldsymbol{f eta}$ | _  | <u> </u>           | _              | Ш        |  |
|                       | 34  | L_   | <u> </u>     | L  |              |                   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | _                  |                | Ш        |  |
|                       | 35  | _  | L            |  | <u>_</u>     | _                 | L_   | <u> </u>           |                | Ш        |  |
|                       | 36<br>37<br>38  |  |              | <u> </u>   | L            | <u> </u>          | <u> </u>   | Ŀ                  |                | Ш        |  |
|                       | 37  |  |              | _  |              |                   |  |                    |                | $\Box$   |  |
|                       | 38  |  | _            |  | <u> </u>     |                   |  |                    |                |          |  |
|                       | 39  |  |              |  | L.           | <u> </u>          |  |                    | 匚              |          |  |
|                       | 40  |  |              |  |              | <u> </u>          | Ц.   | $oxedsymbol{oxed}$ |                |          |  |
|                       | 41  |  |              |  | L            |                   | $oxedsymbol{oxed}$                               |                    |                |          |  |
|                       | 42  |  |              | $ldsymbol{ld}}}}}}}$ | L            |                   |  |                    |                |          |  |
|                       | 43  |  |              |  | <u></u>      | $\Box$            |  | Ĺ                  |                |          |  |
|                       | 44  |  |              |  |              |                   |  |                    |                |          |  |
|                       | 45  |  |              |  |              |                   |  |                    |                |          |  |
|                       | 46  |  |              |  |              |                   |  |                    |                |          |  |
|                       | 47  |  |              |  |              |                   |  |                    |                |          |  |
|                       | 48  |  |              |  |              |                   |  |                    |                |          |  |
|                       | 49  |  |              |  |              |                   |  |                    |                |          |  |
|                       | 50  |  |              |  |              |                   |  |                    |                |          |  |

| 1   | <u> </u> |               | <u> </u> |          | _        |  | <i>-</i>       | ٠        |  |  |              | Į.  | ٥                 | 21111    | Ь_   |          |          |              | Jau          | <u> </u>     |          |          |              |
|---|----------|---------------|----------|----------|----------|--|----------------|----------|--|--|--------------|-----|-------------------|----------|--|----------|----------|--------------|--------------|--------------|----------|----------|--------------|
| 3   | בווש     | Original      | 2/23/06  |          |          |  |                |          |  |  |              |     | Final             | Original |  |          |          |              |              |              |          |          |              |
| 3   |          | 1             |          |          | -        | ┢  |                | $\vdash$ |  | <u> </u>   |              | 1   |                   | 51       | -  | _        |          | -            | ┢            | _            | H        | $\vdash$ | -            |
| 3   | 1        | 2             | =        |          |          | H  | H              | _        | <u> </u>   | ┢  | 1            | 1   |                   | 52       | H  |          |          | -            | H            | -            | _        | H        | -            |
| 3   | _        | 3             | =        |          |          |  |                |          | †  | Т  | $\vdash$     | 1   |                   | 53       |  | -        |          | <del> </del> | ┢            | -            | -        | -        | $\vdash$     |
| 7   9   =   57   58   58   58   58   58   58   59   50   50   60   61   61   61   62   63   63   63   64   63   64   63   64   65   66   65   66   66   67   67   68   68   69   70   70   71   72   72   73   74   72   73   74   72   73   74   74   72   73   74   74   74   74   74   74   74   77   78   78   78   79   78   79   78   79   79   70   70   77   78   78   79   78   79   78   79   79   79   70   70   70   70   70   77   78   70   78   70   77 | ~        | 4             | _        | _        |          |  | <del> </del>   | ┢        | <del>                                     </del> | H  | ┢            | 1   |                   | 54       | <del>                                     </del> | _        |          | -            |              | $\vdash$     | H        | -        | $\vdash$     |
| 7   9   =   57   58   58   58   58   58   58   59   50   50   60   61   61   61   62   63   63   63   64   63   64   63   64   65   66   65   66   66   67   67   68   68   69   70   70   71   72   72   73   74   72   73   74   72   73   74   74   72   73   74   74   74   74   74   74   74   77   78   78   78   79   78   79   78   79   79   70   70   77   78   78   79   78   79   78   79   79   79   70   70   70   70   70   77   78   70   78   70   77 |          | 5             | _        |          |          |  | $\vdash$       | $\vdash$ | ┢  | ╁  | ┢            | 1   |                   | 55       | H  |          | _        | <u> </u>     | $\vdash$     | -            |          | H        | ┝            |
| 7   9   =   57   58   58   58   58   58   58   59   50   50   60   61   61   61   62   63   63   63   64   63   64   63   64   65   66   65   66   66   67   67   68   68   69   70   70   71   72   72   73   74   72   73   74   72   73   74   74   72   73   74   74   74   74   74   74   74   77   78   78   78   79   78   79   78   79   79   70   70   77   78   78   79   78   79   78   79   79   79   70   70   70   70   70   77   78   70   78   70   77 | _        | 6             | =        |          | $\vdash$ | <del>                                     </del> | $\vdash$       | $\vdash$ | $\vdash$   | H  |              | 1   |                   | 56       | ┢  |          |          | ┢            | H            |              | $\vdash$ | H        | ┢            |
| 3     8     =   | _        | 7             | Н        | $\vdash$ | _        | ┢  | -              | _        | H  | H  | ┝            | 1   |                   | 57       | $\vdash$   | -        |          | <del> </del> |              | -            |          | H        | -            |
| 10  | 3        | 8             | =        |          |          |  | -              |          |  | -  | $\vdash$     | 1   |                   | 58       |  |          | _        | -            |              |              | _        | ⊢        | ┝            |
| 3 10 =   60     11 1  | ,        | 9             |          |          | $\vdash$ | $\vdash$   |                | -        | $\vdash$   | $\vdash$   | $\vdash$     | 1   |                   | 59       |  |          | -        | _            | $\vdash$     | $\vdash$     | H        | ├─       | ┢            |
| 111   12   61   62     13   63   63   63     14   64   65   66     15   66   67   68     17   68   69   69     20   70   71   72     21   72   73   74     25   76   77   78     26   76   77   88     29   79   80   81     31   81   82   83     33   84   84   84     35   86   86   86     37   88   89   90     40   99   99   99     44   94   94   94     45   96   97   97     48   99   99   99  | 3        | 10            | $\vdash$ | _        | $\vdash$ | ┪  | Н              | $\vdash$ |  | ┢  | ┢            | 1   |                   | 60       |  |          |          |              | H            | -            | H        | $\vdash$ | ├            |
| 12  |          |               |          |          |          | $\vdash$   |                | ┢        | $\vdash$   | -  | $\vdash$     | 1   |                   | 61       |  |          | _        |              | -            |              | H        | $\vdash$ | <del> </del> |
| 14   15   66   66     16   66   67   68     17   68   69   70     18   69   70   71     20   70   71   72     21   71   72   73     24   74   74   74     25   76   77   78     26   76   77   78     29   79   30   80   31     31   81   82   83     33   84   82   83     33   84   84   84     35   86   86   87     36   86   86   87     38   88   89   90     40   90   90   91     41   91   92   93     44   94   96   97     46   96   97   97     48   99   99   99  |          | 12            |          |          | _        | $\vdash$   |                | ┢        |  | $\vdash$   |              | 1   | -                 | 62       |  |          |          |              | -            | $\vdash$     | Н        |          | ┢            |
| 14   15   66   66     16   66   67   68     17   68   69   70     18   69   70   71     20   70   71   72     21   71   72   73     24   74   74   74     25   76   77   78     26   76   77   78     29   79   30   80   31     31   81   82   83     33   84   82   83     33   84   84   84     35   86   86   87     36   86   86   87     38   88   89   90     40   90   90   91     41   91   92   93     44   94   96   97     46   96   97   97     48   99   99   99  |          | 13            |          |          |          |  |                | $\vdash$ | ╁  | $\vdash$   | ├─           | 1   |                   | 63       | H  |          | _        |              | $\vdash$     | <del> </del> | -        | -        | -            |
| 15  |          | 14            |          |          |          | -  | _              |          | ┢  | ┢  | ┢            | 1   |                   | 64       | $\vdash$   |          | _        | _            | _            | <u> </u>     | Н        | Н        | $\vdash$     |
| 16   17   66   67     118   68   69     19   68   69     20   70   71     21   72   73     23   74   75     26   76   77     28   79   78     29   79   80     30   81   82     33   83   84     35   86   85     36   86   86     37   87   88     39   89   90     41   91   92     43   94   94     45   96   97     48   99   99  |          | 15            |          |          |          |  | -              | -        | <del>                                     </del> | <del>                                     </del> | ┢            | 1   |                   | 65       | Н  |          |          | -            | _            |              | Н        | $\vdash$ | _            |
| 18   68     19   69     20   70     21   71     22   73     23   74     25   75     26   77     27   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   99     49   99   | $\neg$   | 16            |          | _        | $\vdash$ | ┢  | -              | <u> </u> | ┢  | $\vdash$   | ┢            | 1   |                   | 66       | $\vdash$   |          |          | $\vdash$     | ┢            | -            | Н        | Н        |              |
| 18   68     19   69     20   70     21   71     22   73     23   74     25   75     26   77     27   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   99     49   99   |          | 17            |          |          | $\vdash$ |  | _              | -        | ┢╾   | ┢  | ┢            | 1   |                   | 67       | -  |          |          |              |              | -            | H        | -        | $\vdash$     |
| 19   69     20   70     21   71     22   72     23   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   84     35   85     36   86     37   88     39   89     40   90     41   90     44   94     45   96     47   97     48   99     99   99   |          | 18            |          | _        |          | -  | _              | $\vdash$ | $\vdash$   | $\vdash$   | -            | 1   |                   | 68       | -  |          |          | _            | <del> </del> |              |          | Н        | ⊢            |
| 20   70     21   71     22   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   83     33   83     34   84     35   85     36   86     37   87     38   88     39   90     40   90     41   91     42   92     43   94     44   94     45   96     96   97     48   99   | _        | 19            |          |          |          | -  | -              | -        | ┢  | -  | $\vdash$     | 1   |                   | 69       | -  |          |          |              |              |              | H        | H        |              |
| 22   3   72   73     24   74   74   75     26   75   76   77     28   79   78   79     30   31   81   82     33   81   82   83     34   84   84   84     35   86   86   87     38   86   87   88     39   90   90   90     41   91   92   93     44   92   93   94     45   96   96   97     48   98   99   99  | ┪        | 20            | Н        |          |          | -  |                | ┢        | -  | ┢  | <del> </del> | 1   |                   | 70       | -  |          | -        |              | $\vdash$     | ├─           | Н        | _        |              |
| 22   3   72   73     24   74   74   75     26   75   76   77     28   79   78   79     30   31   81   82     33   81   82   83     34   84   84   84     35   86   86   87     38   86   87   88     39   90   90   90     41   91   92   93     44   92   93   94     45   96   96   97     48   98   99   99  | $\dashv$ | 21            | Н        |          |          | $\vdash$   |                | -        | $\vdash$   | -  | ┢            | 1   |                   | 71       | Н  |          |          | _            | -            |              | Н        | Н        | _            |
| 23   73   74     25   75   76     27   77   78     28   79   79     30   80   81     31   81   82     33   83   83     34   84   85     36   86   86     37   88   88     39   89   90     41   91   92     43   94   94     44   95   96     47   97   98     49   99   99   | $\dashv$ | 22            |          |          | _        | _  |                |          | ┢  | $\vdash$   | -            |     |                   | 72       |  | -        |          | _            |              | -            |          | $\vdash$ |              |
| 25   75     26   76     27   77     28   77     29   78     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99   | ┪        | 23            |          | _        | -        |  | -              |          | -  | <del>                                     </del> | -            |     |                   | 73       | -  | $\dashv$ |          |              | -            |              | Н        | -        | _            |
| 25   75     26   76     27   77     28   77     29   78     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99   | 7        | 24            | _        | _        |          |  |                |          | -  | _  |              | 1   |                   | 74       | -  | -        | _        |              |              |              | -        |          |              |
| 26   76     27   77     28   77     29   78     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99   | ᅥ        | 25            |          | _        |          | -  | _              |          |  |  |              | 1   |                   | 75       | Н  | -        | -        |              | _            |              | Н        |          |              |
| 28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99   |          | 26            |          |          |          | _  |                |          | _  |  |              |     |                   | 76       | $\vdash$   | $\dashv$ |          | _            | -            |              | Н        |          | _            |
| 28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99   |          | 27            | _        |          | Н        | -  |                | -        | ┢  |  |              |     |                   | 77       | $\vdash$   | -        |          | _            |              | _            | Н        | Н        |              |
| 29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99   |          | 28            |          |          |          | $\vdash$   |                | _        | 一  | H  | -            |     |                   | 78       | $\dashv$   | $\dashv$ | -        |              |              |              | Н        | -        |              |
| 30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   95     46   96     47   97     48   98     49   99   | 7        | 29            | _        | _        |          |  | Н              | _        | $\vdash$   | -  |              |     |                   | 70       | -  | $\dashv$ | -        |              |              |              |          | -        | -            |
| 31 81   32 83   33 84   35 85   36 86   37 87   38 88   39 88   40 90   41 91   42 91   43 92   43 93   44 94   45 96   47 97   48 98   49 99   | ٦        | 30            |          |          |          | _  |                |          | <del> </del>                                     | $\vdash$   |              |     |                   | 80       |  | $\dashv$ |          |              | _            |              | $\vdash$ | $\dashv$ | _            |
| 33   83     34   84     35   85     36   85     37   88     38   87     38   88     39   90     41   91     42   92     43   94     44   94     45   95     46   96     47   97     48   98     49   99   | 7        | 31            |          |          |          |  |                |          | -  | <del>                                     </del> |              | 1 1 |                   | 81       |  | ┪        | -        |              | -            |              | Н        | $\dashv$ |              |
| 33   83     34   84     35   85     36   85     37   88     38   87     38   88     39   90     41   91     42   92     43   94     44   94     45   95     46   96     47   97     48   98     49   99   | 7        | 32            | $\dashv$ |          |          |  |                | _        |  |  | _            |     |                   | 82       |  | -        |          | -            |              | -            | $\dashv$ |          | _            |
| 34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99   | 7        | 33            | $\dashv$ |          |          | -  | $\neg$         | _        | -  |  |              |     |                   | 83       | $\vdash$   |          |          | -            | -            | -            |          | -        |              |
| 36   86     37   87     38   88     39   90     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99   | ┪        | 34            |          | _        | _        |  |                |          | -  | -  | _            | 1   | -+                | 84       |  | -        | $\dashv$ |              |              |              | -        |          |              |
| 36   86     37   87     38   88     39   90     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99   | ┪        | 35            | _        | _        |          | _  |                |          | _  | _  |              |     |                   | 85       | -  | $\dashv$ | $\dashv$ |              |              | -            |          |          | _            |
| 37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99   | ᅥ        | 36            | $\neg$   |          | $\dashv$ |  | $\neg$         |          | -  | _  |              | 1   |                   | 86       |  | $\neg$   | -        |              |              |              | $\dashv$ | $\dashv$ | _            |
| 38   88     39   90     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99   | ┪        | 37            |          |          | $\neg$   |  | $\dashv$       |          | _  |  | _            |     |                   | 87       |  |          | $\dashv$ |              |              |              | $\dashv$ | $\dashv$ |              |
| 39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   | 7        | 38            | $\neg$   | $\neg$   |          |  | _              |          | _  | H  |              |     |                   | 88       | $\dashv$   | $\dashv$ | $\dashv$ |              |              | -            | $\dashv$ | $\dashv$ |              |
| 40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   | 7        | 39            | 7        | $\neg$   |          | $\neg$   |                |          |  | -  |              |     |                   | 89       | $\dashv$   | -        | $\dashv$ | _            |              |              | $\dashv$ | $\dashv$ |              |
| 41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   | T        | 40            | 7        |          | -        |  | $\neg \dagger$ |          | _  |  |              |     |                   | 90       | $\dashv$   |          | -        | -            |              | $\dashv$     | $\dashv$ | $\dashv$ | _            |
| 42   43   44   45   46   47   48   49   | 7        | 41            | 7        | ╗        | $\dashv$ |  |                |          |  |  |              |     |                   | 91       | _  | $\dashv$ | _        |              | $\neg$       |              | $\dashv$ | $\dashv$ |              |
| 43 93   44 94   45 95   46 96   47 97   48 98   49 99   | _        | $\overline{}$ | $\neg$   |          |          | $\neg$   | $\neg$         |          | -  |  |              |     |                   |          |  |          | $\dashv$ |              | -            |              | $\dashv$ | $\dashv$ |              |
| 44 94   45 95   46 96   47 97   48 98   49 99   |          | 43            | $\neg$   |          |          |  |                |          |  |  | _            |     | <del></del>       | 93       | 寸  | $\dashv$ | $\dashv$ | $\neg$       | -            | $\dashv$     | $\dashv$ | $\dashv$ | _            |
| 45  |          |               | $\neg$   |          | $\neg$   |  | 寸              | $\neg$   |  |  |              |     | 一                 |          | $\dashv$   | 7        | $\dashv$ | $\dashv$     |              | -            | $\dashv$ | $\dashv$ |              |
| 46 96   47 97   48 98   49 99   | $\dashv$ |               | _        |          | $\dashv$ |  | $\dashv$       | $\dashv$ | $\vdash$   | $\dashv$   | _            |     | $\dashv$          |          | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$     | -            | $\dashv$     | $\dashv$ |          | _            |
| 47 97 98 98 99 99 99 99 99 99 99 99 99 99 99  | 7        |               | $\dashv$ |          | $\neg$   | $\neg$   | 一              |          |  |  |              |     |                   |          | +  | -        | -        | $\dashv$     | -            | _            | $\dashv$ | $\dashv$ | _            |
| 48 98 99 99 99 99 99 99 99 99 99 99 99 99   | 7        |               | $\dashv$ | $\dashv$ | $\neg$   | $\neg$   | _              | $\neg$   | Н  |  | _            |     |                   |          | $\dashv$   |          | -        |              | -            | -            | $\dashv$ | $\dashv$ |              |
| 49 99   | 7        |               | _        |          | ┪        |  | 一              | $\dashv$ |  | $\vdash$   |              | }   | $\longrightarrow$ |          | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$     |              | $\dashv$     | $\dashv$ | -        | -            |
|   | 7        | 49            | $\dashv$ |          | $\neg$   | $\dashv$   | 一              | -        | $\neg$   | $\neg$   |              |     | $\dashv$          |          | $\dashv$   | +        | ᅱ        | $\dashv$     | $\dashv$     |              | $\dashv$ | $\dashv$ |              |
|   | 1        |               | _        |          | $\neg$   | $\dashv$   | $\dashv$       |          |  |  |              |     |                   | 100      | _  | -        | ᅥ        | $\dashv$     | $\dashv$     | $\dashv$     | $\dashv$ | $\dashv$ |              |
|   |          |               |          |          |          |  |                | _        |  |  |              | L   |                   |          |  |          |          |              |              |              |          |          |              |

| Cli             | aim   | Γ           |          |          | ĺ        | Dat      | e        |          |          |                 |
|-----------------|---|-------------|----------|----------|----------|----------|----------|----------|----------|-----------------|
|                 |   |             |          | Γ        |          | Π        | Г        |          | Г        | П               |
| <u> </u>        | Original                                      | 1           | l        |          | l        | l        |          |          |          |                 |
| Final           | rig   |             |          |          |          |          |          |          |          |                 |
|                 |   |             |          |          |          | l        |          |          |          |                 |
|                 | 101<br>102<br>103                             | $\vdash$    |          |          |          | ┢        |          | 1        |          | _               |
|                 | 102   | _           |          | ✝        |          | T        |          |          |          |                 |
|                 | 103   |             |          |          |          | Г        |          |          | $\vdash$ |                 |
|                 | 104<br>105<br>106                             |             |          |          | $\vdash$ | Г        |          |          | _        | Т               |
|                 | 105   |             |          | İ        | $\vdash$ | İ        | Г        |          | _        | $\vdash$        |
|                 | 106   |             |          | Г        |          | Ι-       |          |          |          |                 |
|                 | 107   |             |          |          |          | $\vdash$ |          |          |          |                 |
|                 | 108   |             |          |          |          | Г        |          |          | $\vdash$ | П               |
|                 | 108<br>109                                    |             |          |          | T        | Г        |          | Т        |          | П               |
|                 | 110   |             |          |          | T        | Г        | $\vdash$ |          | Т        | П               |
|                 | 111   |             | Г        |          |          |          |          |          | Г        | П               |
|                 | 111<br>112<br>113                             | $\Box$      | <u> </u> |          |          | I        |          |          |          | П               |
|                 | 113   |             | <u> </u> | Г        | Γ        | 1        |          |          | $\vdash$ | Н               |
|                 | 114   |             |          |          |          | Ι_       | Т        | T        | $\Box$   | М               |
|                 | 115   |             |          |          |          | <b>—</b> | T        | $\vdash$ |          | Н               |
|                 | 116   | _           | Г        | Γ        |          |          | Г        |          |          | М               |
|                 | 117   |             |          | Г        |          |          |          | Г        |          | П               |
|                 | 118   |             |          |          |          | _        | Ī        |          | T        | Н               |
|                 | 114<br>115<br>116<br>117<br>118<br>119<br>120 |             |          |          | Ι        |          | Т        | <u> </u> |          | Н               |
|                 | 120   |             | _        | $\vdash$ |          | -        | _        | $\vdash$ |          | H               |
|                 | 121   |             | $\vdash$ |          |          | Т        |          |          | ┢        | П               |
|                 | 122   |             |          |          | Г        | _        |          | _        | _        | Н               |
|                 | 123   | _           |          |          |          | Г        | _        |          | -        | Н               |
|                 | 122<br>123<br>124                             |             |          |          |          |          |          | H        | -        | Н               |
|                 | 125   |             |          | _        | $\vdash$ |          | $\vdash$ | _        |          |                 |
|                 | 126   |             |          |          |          |          |          |          |          | Н               |
|                 | 127   |             |          |          |          |          | $\vdash$ |          | $\vdash$ | $\vdash$        |
|                 | 128   | -           |          |          |          |          |          |          |          |                 |
|                 | 129   |             |          |          |          | $\vdash$ |          |          |          | $\overline{}$   |
|                 | 130   |             |          |          | _        |          |          |          |          | $\Box$          |
|                 | 125<br>126<br>127<br>128<br>129<br>130<br>131 |             |          |          |          | П        |          |          |          |                 |
|                 | 132   |             |          |          |          | T        | $\vdash$ |          | П        | $\vdash$        |
|                 | 133   |             |          |          |          | $\vdash$ | _        |          | -        | $\vdash$        |
|                 | 133<br>134                                    |             |          |          |          |          | -        |          |          | $\vdash$        |
|                 | 135   |             |          |          |          |          | _        | Н        |          | $\vdash \vdash$ |
|                 | 136   |             |          |          |          |          |          |          |          |                 |
|                 | 137   |             |          | П        |          | П        |          | П        | П        |                 |
|                 | 136<br>137<br>138                             | $\neg \neg$ |          |          |          |          | $\vdash$ | М        |          |                 |
|                 | 139   |             |          | М        |          |          |          |          | _        | $\neg$          |
|                 | 140   |             |          | М        |          |          |          |          |          | $\dashv$        |
|                 | 141   |             |          | П        |          |          |          |          |          | $\dashv$        |
|                 | 142   |             |          | -        |          |          |          |          |          | $\dashv$        |
|                 | 143   | $\neg$      |          | $\neg$   |          |          |          |          |          | $\dashv$        |
|                 | 144   | $\neg$      |          |          | $\neg$   | $\Box$   |          |          |          | $\neg$          |
|                 | 145   | $\neg$      |          |          | $\neg$   |          |          |          |          | $\dashv$        |
|                 | 146   | $\neg$      |          | $\Box$   |          | П        |          |          | $\vdash$ | $\dashv$        |
| $\neg \uparrow$ | 147   |             | $\neg$   |          | $\neg$   |          |          |          |          | $\dashv$        |
|                 | 148   |             | $\neg$   |          |          | Н        |          |          | $\vdash$ | $\dashv$        |
|                 | 149   | _           |          | -        | $\neg$   |          |          |          | $\neg$   | $\dashv$        |
|                 | 150   | $\neg$      |          |          | $\neg$   | $\dashv$ |          |          |          | $\dashv$        |
| 1               |   |             |          |          |          |          |          |          |          |                 |